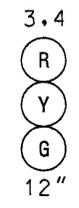


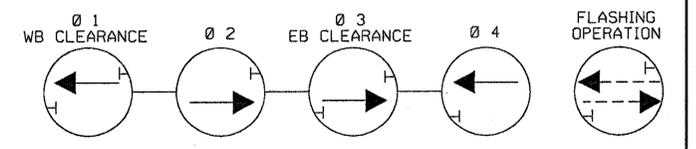
MD 135 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION

**PROPOSED SIGNAL HEADS**

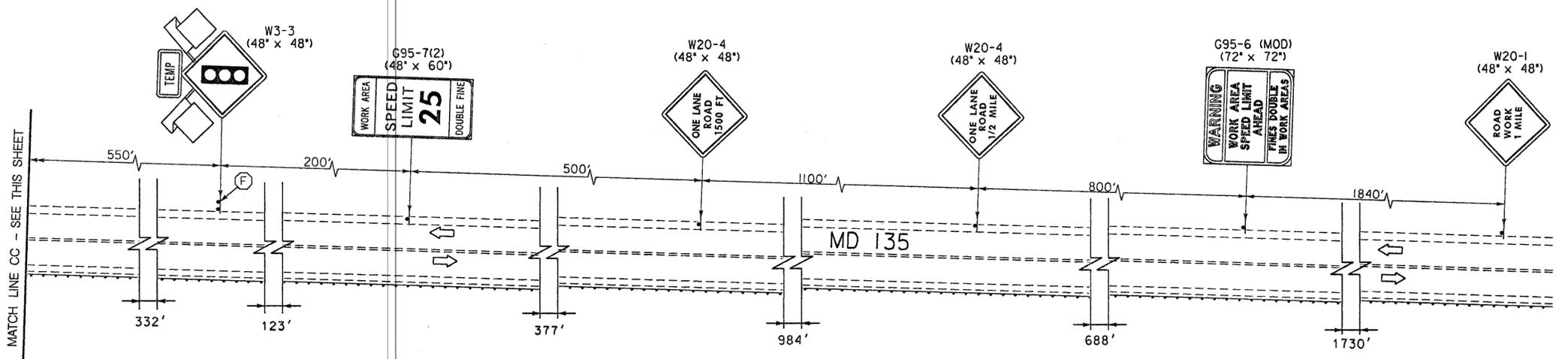
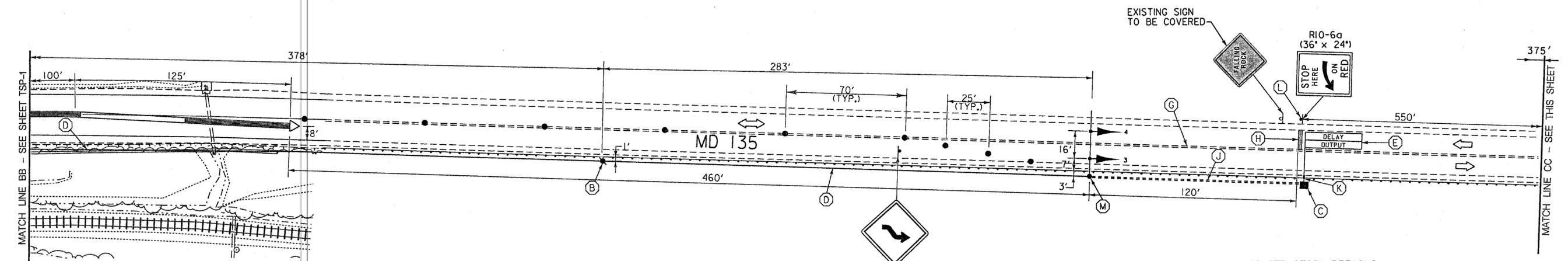


LEGEND	
	EXISTING SIGN AND SUPPORTS
	PLASTIC DRUMS
	PROPOSED SIGNAL HEAD
	TEMPORARY CONCRETE BARRIER
	TEMPORARY CRASH CUSHION (SAND FILLED PLASTIC DRUMS)
	DIRECTION OF TRAFFIC
	VIDEO DETECTION ZONE

**NEMA PHASING**



- PHASING NOTES:**
- PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
  - PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.
  - PHASING SHALL OPERATE A FOUR PHASE SEQUENTIAL OPERATION.



**CONSTRUCTION DETAILS**

- INSTALL 50 FT. CLASS II WOOD POLE.
- INSTALL HANDHOLE.
- INSTALL 3/8 IN. SPAN WIRE WITH ELECTRICAL CABLES.
- INSTALL 6 FT. x 30 FT. (3-6-3 WINDING) QUADRUPOLE TYPE LOOP DETECTOR ENCASED IN 1/4 IN. FLEXIBLE TUBING.
- INSTALL W3-3 SIGN (48 IN. x 48 IN.) WITH "TEMP" PANEL (30 IN. x 30 IN.) ON TWO 4 IN. x 6 IN. WOOD SIGN SUPPORTS. THE COST OF THE 4 IN. x 6 IN. WOOD SIGN SUPPORTS WILL NOT BE MEASURED BUT WILL BE INCIDENTAL TO THE SQUARE FOOT COST FOR TEMPORARY TRAFFIC SIGNS.
- INSTALL 8 IN. REMOVABLE PATTERNED BLACK LINE MASK TAPE FOR MAINTENANCE OF TRAFFIC TO COVER EXISTING DOUBLE YELLOW CENTERLINE EAST AND WEST OF STOP LINE AS DIRECTED BY THE ENGINEER.
- INSTALL 24 IN. WHITE REMOVABLE PREFORMED PAVEMENT MARKING.
- INSTALL 3 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT - TRENCHED.
- INSTALL 1 IN. LIQUID-TIGHT FLEXIBLE NON-METALLIC ELECTRICAL CONDUIT (DETECTOR WIRE SLEEVE)
- INSTALL R10-6a SIGN (36 IN. x 24 IN.) MOUNTED ON ONE 4 IN. x 4 IN. WOOD SIGN SUPPORT. THE COST OF THE 4 IN. x 4 IN. WOOD SIGN SUPPORT WILL NOT BE MEASURED BUT WILL BE INCIDENTAL TO THE SQUARE FOOT COST FOR TEMPORARY TRAFFIC SIGNS.
- INSTALL 27 FT. STEEL POLE WITH A 38 FT. MAST ARM, TRAFFIC SIGNAL HEADS AND 3 IN. WEATHERHEAD. (INSTALL 2-3 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE ELECTRICAL CONDUIT BENDS).

**GENERAL NOTES**

- TRAFFIC SIGNAL SHALL REMAIN OPERATIONAL DURING RETAINING WALL REPAIRS.
- ALL TRAFFIC SIGNAL EQUIPMENT (STEEL POLES, WOOD POLES, FOUNDATIONS, ETC.) SHALL BE REMOVED AFTER THE COMPLETION OF CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY SHA TO REMOVE THE POLE MOUNTED CABINET.
- MINIMUM LANE WIDTHS SHALL BE 11 FEET.
- ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS. HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS. TO MEET CLEARANCE AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.

**LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES**

AERIAL CABLE	— A —
ELECTRICAL	— E —
TELEPHONE	— T —
GAS	— G —
SEWER	— SS —
STORM DRAIN	— SD —
WATER	— W —
CABLE TV	— TV —

**WR&A**  
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801 South Caroline Street  
Baltimore, Maryland 21231  
(410) 235-3450

**MARYLAND DOT - STATE HIGHWAY ADMINISTRATION**  
*Office of Traffic & Safety*  
**TRAFFIC ENGINEERING DESIGN DIVISION**  
**TEMPORARY TRAFFIC SIGNAL PLAN**  
**RETAINING WALL REPAIRS TO STRUCTURE**  
**NO. 01213RO ALONG MD 135 EBR @ MP 2.8**

**TSP-2**

DRAWN BY: B. DONOWAY	F.A.P. NO.	TS NO.	SHEET NO.
CHECKED BY: N. LEARY	S.H.A. NO.	4354	
SCALE: 1" = 30'	COUNTY: ALLEGHENY	T.I.M.S. NO.	OF
DATE: 10/7/2004	LOG MILE: 01013502.50	6-272	